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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/585,303	01/19/2007	Young-Lak Kim	4949-06085603	2323
	7590 09/27/201 MAN HAM & BERN	EXAMINER		
1700 DIAGONAL ROAD			CAI, WAYNE HUU	
SUITE 300 ALEXANDRIA	a, VA 22314	ART UNIT	PAPER NUMBER	
			2617	
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		09/27/2010	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Supplemental					
Notice	of Allowability				

Application No.	Applicant(s)	
10/585,303	KIM ET AL.	
Examiner	Art Unit	
WAYNE CAI	2617	

	WAYNE CAI	2617				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Ill claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included erewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS IOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative if the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
1. This communication is responsive to 6/11/2010.						
2. The allowed claim(s) is/are <u>1-6</u> .						
a. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)						
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 8/12/2010 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material /Wayne Cai/ Primary Examiner, Art Unit 2617	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 7. ☒ Examiner's Amendn 8. ☒ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	wance			

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SUPPLEMENTAL EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Yoon Ham (Reg. No. 45,307) on July 13, 2010.

The application has been amended as follows:

In Abstract:

A handover method for a mobile communication terminal is disclosed. In the handover method, a radio network controller periodically measures the wireless environment of a mobile communication terminal, determines whether handover is required, and informs the asynchronous mobile switching center of the asynchronous communication system that the handover is required. The asynchronous mobile switching center requests the handover and a synchronous mobile switching center assigns a forward channel to the mobile communication terminal. The mobile communication terminal prepares for communication with a synchronous mobile communication system according to the direction of the asynchronous mobile switching center, and causes a backward channel with respect to the synchronous communication system to be assigned to the mobile communication terminal. The synchronous mobile switching center informs the asynchronous mobile switching center that handover has

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been completed, and causes a connection between the asynchronous mobile switching center and the radio network controller to be released.

In Specification:

Brief Description of the Drawings

FIG. 1 is a diagram showing the construction of a mobile communication network

to which the present invention is applied;

FIG. 2 is a diagram showing the construction of a mobile communication terminal

that is applied to the present invention;

FIG. 3 is a conceptual diagram illustrating handover in a mobile communication

network on which asynchronous and synchronous networks overlap each other

according to an embodiment of the present invention,

FIG. 4 is a flowchart illustrating a handover method according to an embodiment

of the present invention;

FIG. 5 is a flowchart illustrating the handover method shown in FIG. 4 in detail

according to an embodiment of the present invention; and

FIG. 6 is a flowchart illustrating the step of preparing communication with the

mobile communication terminal shown in FIG. 5 in detail according to an embodiment of

the present invention.

(END OF AMENDMENT)

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Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on August 22, 2010 is being considered by the examiner.

Terminal Disclaimer

3. The terminal disclaimer filed on June 11, 2010 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 7,664,074 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Allowable Subject Matter

- 4. Claims 1-6 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

Park et al. (US 6,975,608) discloses a method for performing handoff between asynchronous base station and synchronous base station (abstract).

Park et al. (US 6,704,581) discloses a mobile telecommunication system for performing a handoff from an asynchronous communication system to a synchronous communication system (abstract, Figure 9 and its descriptions).

Holcman et al. (US 2003/0108007) discloses a method and apparatus for effecting handoff between different cellular communications systems (Figure 3 and its descriptions. Also, see paragraph 0015).

However, none of the prior art, either alone or in combination, teaches or suggests switching center of the asynchronous communication system that the handover is required; the third step of the asynchronous mobile switching center requesting handover from a synchronous mobile switching center of the synchronous communication system, and the synchronous mobile switching center assigning a forward channel to the mobile communication terminal; the fourth step of, as the asynchronous mobile switching center directs the mobile communication terminal to perform handover, the mobile communication terminal preparing communication with the synchronous mobile communication system, and causing a backward channel with respect to the synchronous communication system to be assigned to the mobile communication terminal; and the fifth step of the synchronous mobile switching center informing the asynchronous mobile switching center of completion of the handover, thus releasing a connection between the asynchronous mobile switching center and the radio network controller.

Therefore, the Examiner allows independent claim 1 at least for the reasons discussed above.

Claims 2-6 depend either directly or indirectly upon independent claim 1 are also allowed at least for the same reasons discussed above and by virtue of their dependency.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WAYNE CAI whose telephone number is (571)272-7798. The examiner can normally be reached on Monday-Thursday from 8:00 a.m. to 6:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Wayne Cai/ Primary Examiner, Art Unit 2617